

SEQUENCE LISTING

<110> ONICHTCHOUK, DARIA
EULENBERG, KARSTEN
NGUYEN, TRI
BURK, ULRIKE

<120> USE OF A SECRETED PROTEIN FOR PREVENTING AND TREATING
OBESITY, DIABETES AND/OR METABOLIC SYNDROME

<130> 18744-0033

<140> 10/550,985

<141> 2005-09-26

<150> PCT/EP04/003244

<151> 2004-03-26

<150> EP 03006948.8

<151> 2003-03-26

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<170> PatentIn Ver. 3.3

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<213> Homo sapiens

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<213> Homo sapiens

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Pro	Ile	Asp	His	Leu	Met	Gly	Ala	Ala	Asn	Pro	Gly	Ala	Leu	Val	Glu	420	425		430
Gly	Gly	Glu	Leu	Cys	Thr	Leu	Cys	Glu	Tyr	Met	Leu	His	Phe	Ile	Gln	435	440		445

Glu	Thr	Leu	Ala	Thr	Pro	Ser	Thr	Asp	Asp	Glu	Ile	Lys	His	Thr	Val	450	455	460	
Glu	Asn	Ile	Cys	Ala	Lys	Leu	Pro	Ser	Gly	Val	Ala	Gly	Gln	Cys	Arg	465	470	475	480
Asn	Phe	Val	Glu	Met	Tyr	Gly	Asp	Ala	Val	Ile	Ala	Leu	Leu	Val	Gln	485	490	495	
Gly	Leu	Asn	Pro	Arg	Asp	Val	Cys	Pro	Leu	Met	Gln	Met	Cys	Pro	Lys	500	505	510	
Asn	Leu	Pro	Lys	Lys	Glu	Asp	Val	Glu	Val	Phe	Asn	Pro	Gln	Pro	Ala	515	520	525	
Ser	Asp	Glu	Gln	Asp	Pro	Pro	Thr	Cys	Pro	Leu	Cys	Leu	Phe	Ala	Val	530	535	540	
Glu	Gln	Ala	Gln	Met	Lys	Ile	Arg	Asp	Asn	Lys	Ser	Lys	Asp	Asn	Ile	545	550	555	560
Lys	Lys	Val	Leu	Asn	Gly	Leu	Cys	Ser	His	Leu	Pro	Asn	Glu	Ile	Lys	565	570	575	
Glu	Glu	Cys	Val	Asp	Phe	Val	Asn	Thr	Tyr	Ser	Asn	Glu	Leu	Ile	Asp	580	585	590	
Met	Leu	Ile	Thr	Asp	Phe	Lys	Pro	Gln	Glu	Ile	Cys	Val	Gln	Leu	Lys	595	600	605	
Leu	Cys	Pro	Lys	Thr	Thr	Tyr	Ala	Leu	Trp	Asp	Leu	Arg	Ile	Ser	Leu	610	615	620	
Glu	Asp	Asp	Val	Asp	Gly	Glu	Asp	Lys	Ser	Ser	Ser	Glu	Glu	Ile	Ser	625	630	635	640
Phe	Asn	Asp	Ile	Glu	Ser	Leu	Glu	Glu	Leu	Pro	Pro	Gln	Leu	Ala	Phe	645	650	655	
Asp	Pro	Gly	Phe	Thr	Ala	Ala	Pro	Asn	Cys	Leu	Ile	Cys	Glu	Glu	Leu	660	665	670	
Val	Lys	Thr	Leu	Glu	Lys	Arg	Met	Gly	Lys	His	Pro	Thr	Arg	Asp	Ser	675	680	685	
Ile	Lys	His	Ile	Leu	Glu	Glu	Ser	Cys	Asp	Arg	Met	Arg	Lys	Pro	Met	690	695	700	
Asn	Thr	Lys	Cys	His	Lys	Val	Ile	Asp	Lys	Tyr	Gly	Asp	Lys	Ile	Ala	705	710	715	720
Asp	Leu	Leu	Leu	Lys	Glu	Met	Asp	Pro	Lys	Leu	Ile	Cys	Thr	Glu	Leu	725	730	735	
Gly	Met	Cys	Ile	Leu	Ala	Asp	Leu	Asp	Asp	Leu	Glu	Val	Asp	Glu	Ala	740	745	750	

Leu Lys Tyr Asp Val Ile Ala Leu Pro Arg Gln Asp Asn Lys Leu Ser
 755 760 765
 Ser Ser Ile Lys Glu Pro Pro Thr Cys Val Leu Cys Glu Phe Ile Met
 770 775 780
 Thr Lys Leu Asp Ala Asp Leu Lys Asn Lys Thr Glu Gln Asp Asp Ile
 785 790 795 800
 Lys Arg Ala Ile Glu Ala Val Cys Asn Arg Leu Pro Ala Thr Val Arg
 805 810 815
 Lys Gln Cys Asp Thr Phe Val Asp Gly Tyr Ala Ser Ala Val Leu Lys
 820 825 830
 Leu Leu Ser Asp Val Pro Pro Lys Gln Val Cys Gln Lys Leu Gln Leu
 835 840 845
 Cys Phe Ser Val Ala Val Thr Asp Glu Val Leu Glu Cys Gly Val Cys
 850 855 860
 His Gly Val Thr Gln Ala Leu Leu Pro Phe Leu Arg Glu Lys Lys Asp
 865 870 875 880
 Asn Val Ser Glu Val Thr Ala Leu Gln Met Thr Ser Val Gly Cys Glu
 885 890 895
 Asn Leu Pro Ala Lys Tyr Tyr Lys Ile Cys Ser Glu Met Ile Ser Ile
 900 905 910
 Tyr Gly Ser Ser Ile Lys Asn Leu Ala Lys Arg Pro Tyr Ile Asp Gln
 915 920 925
 Ser His Ile Cys Ala Glu Ile Gly Lys Cys Phe Glu Ser Glu Lys Ser
 930 935 940
 Ser Leu Ala Phe Ala Arg Ile Ser Ala
 945 950